

PATENT APPLN. NO. 10/811,302  
RESPONSE UNDER 37 C.F.R. §1.111

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IN THE CLAIMS:

1. (currently amended) A method for applying a plastic film girdle (18) around a product (16) to be packaged, said product having a width and height, according to which method
- the product (16) to be packaged is moved to a position inside ~~a~~ the plastic film girdle (18) of shrinkable and/or stretchable plastic placed on a supporting frame consisting of supporting elements (21) and having a circumference width and height larger than the circumference width and height of the product to be packaged, or correspondingly the plastic film girdle (18) is moved to a position surrounding the product to be packaged,
  - whereupon the supporting frame consisting of supporting elements (21) is removed from inside the plastic film girdle (18), thus allowing the plastic film girdle to tighten around the product (16) to be packaged,
- characterized in
- that the plastic film girdle (18) is formed by winding ~~a~~ shrinkable and/or stretchable wrapping plastic film band (15) to form ~~a~~ plastic film girdle (18) around the supporting frame ~~consisting of supporting elements (21) and having a circumference larger than the circumference of the product (16) to be packaged a plurality times to form the girdle (18) having a dimension in the~~

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direction of movement of the product (16) to be packaged or of the plastic film girdle (18) that is smaller than the dimension of the product (16) to be packaged in the direction of said movement,  
~~that the product (16) to be packaged and/or the plastic film girdle (18) are/is moved so that the product to be packaged remains inside the plastic film girdle,~~  
~~and that the supporting frame consisting of supporting elements (21) is removed from inside the plastic film girdle (18) and the plastic film girdle is allowed to tighten around the product to be packaged.~~

2. (currently amended) A method according to claim 1,  
characterized in  
~~that the plastic film girdle (18) is formed by winding wrapping plastic film band (15) around the supporting frame consisting of supporting elements (21)~~  
- that the wrapping plastic film band (15) supplied to form the plastic film girdle (18) is severed and, ~~if necessary optionally,~~  
seamed, and  
- that the product (16) to be packaged and/or the plastic film girdle (18) are/is moved on a track (11) so that the product to be packaged ~~remains moves~~ inside the plastic film girdle (18),

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~~and that the supporting frame consisting of supporting elements (21) is removed from inside the plastic film girdle (18) and the plastic film girdle is allowed to shrink and tighten around the product (16) to be packaged.~~

3. (currently amended) A method according to claim 1, characterized in

- that wrapping film band (15) is wound over the supporting frame consisting of supporting elements (21), thus forming a plurality of times to form a plastic film girdle tube (18b) on the supporting frame, and
- that ~~a~~ the plastic film girdle girdle (18a) of desired length (18) having a dimension in the direction of movement of the product (16) to be packaged or of the plastic film girdle (18) that is smaller than the dimension of the product (16) to be packaged in the direction of said movement is cut off the plastic film girdle tube (18b),
- ~~that the product (16) to be packaged and/or the plastic film girdle (18) are/is moved on the track (11) so that the product to be packaged remains inside the plastic film girdle girdle (18a) cut off,~~

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~~and that the supporting frame consisting of supporting elements (21) is removed from inside the plastic film girder girdle (18a) and the plastic film girder girdle is allowed to shrink and tighten around the product (16) to be packaged.~~

4. (currently amended) A method according to claim 3, characterized in

- that wrapping plastic film band (15) is wrapped over the supporting frame ~~consisting of supporting elements (21)~~ a plurality of times in a continuous manner so that a plastic film girder girdle tube (18b) continuously increasing in length is formed on the supporting frame,
- that ~~& the~~ plastic film girde ~~(18a)~~ of desired length (18) having a dimension in the direction of movement of the product (16) to be packaged or of the plastic film girdle (18) that is smaller than the dimension of the product (16) to be packaged in the direction of said movement is cut off the plastic film girde tube (18b) during the wrapping operation, and
- that, while the wrapping operation is being continued, the product (16) to be packaged and/or the plastic film girde (18) are/is moved on the track (11) so that the product to be packaged remains moves inside the plastic film girde ~~(18a)~~ cut off (18) -

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~~and that the supporting frame consisting of supporting elements (21) is removed from inside the plastic film girdle (18a) and the plastic film girdle is allowed to shrink and tighten around the product (16) to be packaged.~~

5. (currently amended) A device (10) for applying a plastic film (18) around a product (16) to be packaged, said product having a width and height, said device comprising

- a supporting frame consisting of supporting elements (21) and having over it the supporting frame a plastic film girdle (18) of shrinkable and/or stretchable plastic, said girdle having a circumference width and height larger than the circumference width and height of the product (16) to be packaged,
- transfer elements (11, 22, 23) for transferring the product (16) to be packaged and/or the plastic film girdle (18) so that the product to be packaged remains inside the plastic film girdle,
- means (22, 23) for removing the supporting elements (21) from inside the plastic film girdle (18), allowing the plastic film girdle to tighten around the product (16) to be packaged,  
characterized in that the device (1) comprises
- a wrapping system (12, 13) for wrapping a shrinkable and/or stretchable plastic film band (15) from a film reel (14) a

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plurality of times over the supporting elements (21) so that the wrapping film band being wrapped forms on the supporting elements ~~a the plastic film girdle (18) having a dimension in the direction of movement of the product (16) to be packaged or of the plastic film girdle (18) that is smaller than the dimension of the product (16) to be packaged in the direction of said movement for~~ tightening over the product (16) to be packaged,  
~~and transfer elements (11, 22, 23) for transferring the product (16) to be packaged and/or the plastic film girdle (18) formed from the wrapping plastic film band (15) so that the product to be packaged remains inside the plastic film girdle,~~

6. (currently amended) A device (10) according to claim 5, characterized in that

- that the supporting elements (21) of the device (10), on which the wrapping plastic film band (15) can be wrapped to form a plastic film girdle (18), form a preferably rectangular supporting frame whose width and height are larger than the width and height of the product (16) to be packaged,
- and that each corner of the supporting frame consisting of supporting elements (21) is provided with at least one supporting

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element (21), which can be moved to transfer the plastic film girdle (18) to a position around the product (16) to be packaged.

7. (original) A device according to claim 6, characterized in that the device (10) has at the corners of the supporting frame supporting element pairs (21a, 21b) which can be turned or moved away from each other to pass the plastic film girdle (18) wrapped over the supporting elements (21) to a position around the product (16) to be packaged.

8. (currently amended) A device (10) according to claim 6, characterized in that the device comprises

- ~~a the~~ wrapping system (12, 13) and supporting elements (21) for winding ~~a the~~ wrapping plastic film band (15) to form a plastic film tube (18b) having a circumference width and height larger than the circumference width and height of the product (16) to be packaged, and
- a clipper (26) for cutting the plastic film girdle (18) off the plastic film tube (18b),
- ~~and which plastic film tube (18b) wherein the~~ supporting elements (21) also constitute the plastic film girdle (18) transfer elements, ~~such as endless bands or rotating bars.~~

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9. (currently amended) A device (10) according to ~~claim 8~~  
claim 9, characterized in

- that, in the device, the wrapping system (12, 13) for wrapping the wrapping plastic film band (15) to form a plastic film tube (18b) is a continuously working system,
- and that the supporting elements (21) ~~in the device (10)~~ consist of two parts such that where the first part of the supporting elements is a base on which the wrapping of the wrapping plastic film band (15) is carried out, while the second part of the supporting elements is a transfer part for transferring the plastic film girdle (18) cut off by the clipper (26).

10. (new) A device (10) according to claim 8, wherein the plastic film girdle (18) transfer elements are endless bands or rotating bars.